



JCT
Analysentechnik

JTC-419 / JTC-419E

Multi channel temperature controller with separate load circuits



Gas Sampling
Probes

Heated Sample Lines

Sample Gas
Coolers

Condensate
Treatment

Accessories

Gas Conditioning
Systems

Sample Gas
Converters

APPLICATION

- Digital temperature controller with solid state relay for one or multiple, single phase, **JCT** heated sample lines/heating circuits
- Up to four independent heating circuits with different supply phases
- One status signal per control circuit
- For any temperature control applications
- Applicable with **JCT** Ex heated sample lines

BENEFITS

- Integrated fuses per load circuit
- Long lifetime due to solid state relay
- Supply voltage 115...230 VAC
- Self optimising (autotuning)
- Programmable status contacts
- Easy installation and set up
- High reliability
- Forced cooled unit for use up to 50 °C ambient temperature

FEATURES

- Plug & play temperature controller
- Up to 32 A switching capacity per circuit
- Very high load capability up to 6,9 KW per heater circuit
- Four-digits LED indication of set point and actual value
- RTD Pt100 2W or 3W and thermocouples
- One phase and multiple phase applications
- SSR with varistor protection output
- Compact design 3 HU
- 19" aluminum rack mount housing

TECHNICAL DATA

Model	Generic temperature controller with solid state relays	Pt100 RTD temperature controller with solid state relays and safety barriers for Ex heating applications
Description	19" multi channel temperature controller with SSR and separate load circuits	
Order code	mono (one load circuit) 89.00130 dual (two load circuit) 89.00131 triple (three load circuit) 89.00132 quattro (four load circuit) 89.00133	mono (one load circuit) 89.00140 dual (two load circuit) 89.00141 triple (three load circuit) 89.00142 quattro (four load circuit) 89.00143

Operating Data

Ambient temperature	-10 °C to +50 °C
Forced cooling	built in fan
Mounting location	indoor, safe area

Construction

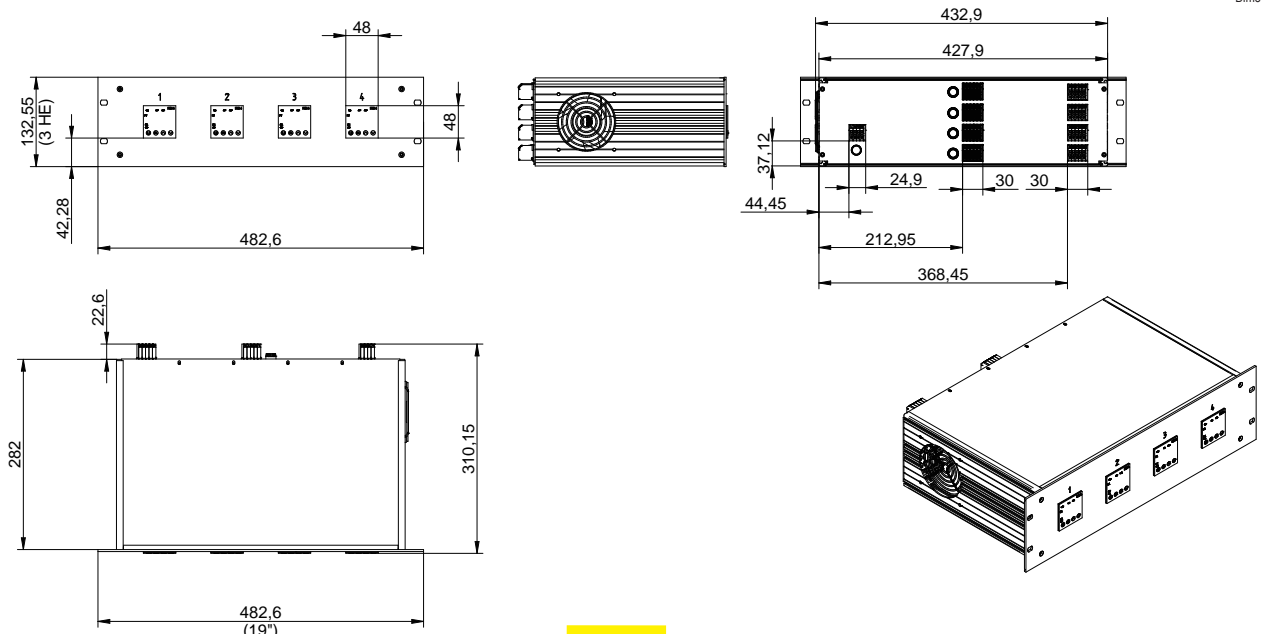
Installation	19" rack mount
Housing material	aluminum
Protection class	IP 20 (EN 60529)
Approvals	CE

Electrics

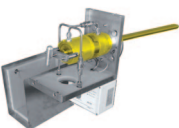
Power supply	115...240 VAC, 50/60 Hz +/-10 %
Load circuit	115...240 VAC, 50/60 Hz +/-10 %
Rated current per heater circuit	max. 32 A @ 23 °C tamb max. 27 A @ 50 °C tamb
Relay contact outlet	1 x change over contact NO per heater circuit, max. 220 VAC / 30 VDC 3 A (at resistive load)
Sensor type	Pt100 2W RTD, Pt100 3W RTD, thermocouple -J, -K, -R, -B, -S, -T, -E, -N, -PL-II
Fusing	built in appliance max. 32 A / 6.9 kW per heater circuit

DIMENSIONS

Dimensions in mm



Gas Sampling Probes



Heated Sample Lines



Sample Gas Coolers



Gas Conditioning Systems



NOx Converter



and solutions for

